## WHAT IS CLAIMED IS:

1			1.	A transformed cell that expresses (i) a functional estrogen receptor							
2		expressed from a vector encoding the estrogen receptor; (ii) a C/EBP transcription factor tha									
3		on a hepatic li	ipase (H	L) promoter expressed from a vector encoding the transcription factor; and							
4		(iii) a reporter gene operatively associated with an HL promoter.									
1			2.	The cell of claim 1, wherein the estrogen receptor is a human estrogen							
2	-	receptor.	-								
1 =			3.	The cell of claim 2, wherein the estrogen receptor is an ER $\alpha$ .							
			4.	The cell of claim $1$ , wherein the transcription factor is C/EBP $\alpha$ .							
İ			5.	The cell of claim 1, wherein the HL promoter is positioned proximal to the							
4 1	h,	5' end of the human HL coding region.									
	V/	, 1	6.	The cell of claim 5, wherein the HL promoter is the human HL promoter							
	•	region from -	1557 to	+43, relative to the HL coding region start site (0).							
1			7.	The cell of claim 1, wherein the reporter gene encodes a protein selected							
2		from the group consisting of luciferase, green fluorescent protein, yellow fluorescent protein, β-									
3		galactosidase,	, chlorar	nphenicol transferase, horseradish peroxidase, and alkaline phosphatase.							
1			8.	The cell of claim 7, wherein the reporter gene is luciferase.							
1			9.	The cell of claim 1, wherein the cell is a hepatocarcinoma cell.							
1			10.	The cell of claim 9, wherein the cell is a HepG2 cell.							

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- 11. An assay system for estrogen receptor ligands that modulate HL promoter activity comprising a population of transformed cells of claim 1, wherein the transformed cells are present in a number in a single assay system that is sufficient to express a detectable amount of a protein encoded by the reporter gene under conditions of maximum reporter gene expression.
- 12. A method for identifying a compound that regulates an HL promoter through an estrogen receptor, which method comprises detecting a change in the level of expression of a reporter gene in an assay system of claim 11 contacted with a test compound, wherein detection of a change in the level of expression of the reporter gene indicates that the test compound regulates the HL promoter through the estrogen receptor.
- 13. The method according to claim 12, wherein the test compound is an estrogen or an estrogen analog.
- 14. The method according to claim 12, wherein the level of reporter gene expression decreases when contacted with a test compound that regulates the HL promoter through the estrogen receptor.
- 15. The method according to claim 12, wherein the estrogen receptor is a human estrogen receptor.
- 1 16. The method according to claim 15, wherein the estrogen receptor is an 2 ERα.
- The method according to claim 12, wherein the transcription factor is
  C/EBPα.
  - 18. The method according to claim 1, wherein the HL promoter is positioned

	proximal	to the 5	' end	of the	human	HL	coding	region.
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- 19. The method according to claim 18, wherein the HL promoter is the human HL promoter region from -1557 to +43, relative to the HL coding region start site (0).
- 20. The method according to claim 12, wherein the reporter gene encodes a protein selected from the group consisting of luciferase, green fluorescent protein, yellow 2 fluorescent protein, \u03b3-galactosidase, chloramphenicol transferase, horseradish peroxidase, and alkaline phosphatase.
  - The method according to claim 20, wherein the reporter gene is luciferase. 21.
  - 22. The method according to claim 12, wherein the cell is a hepatocarcinoma cell.
    - 23. The method according to claim 22, wherein the cell is a HepG2 cell.
  - 24. The method according to claim 12, wherein the compound decreases the level of expression of the reporter gene through the estrogen receptor.
  - The cell of claim 1, wherein the functional estrogen receptor, the C/EBP 25. transcription factor, and the reporter gene operatively associated with the HL promoter are expressed from separate vectors.